Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/02/2017 10:43 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124196	-1	1.90	123997	1.83
Blue	F	SSC	125000	124210	-1	3.43	124391	3.15
Blue	E	FITC	23795	23230	-3	2.81	1037	10.89
Blue	D	PE	29673	29249	-2	2.43	1049	10.20
Blue	B	PerCP-Cy5-5	48943	48360	-2	3.82	1387	18.00
Blue	A	PE-Cy7	44112	44858	1	5.46	684	37.64
Red	C	APC	54273	53545	-2	2.86	3076	9.55
Red	A	APC-Cy7	54945	54671	-1	2.81	1129	11.61
Violet	B	V450	15756	15086	-5	3.95	720	9.10
Violet	A	V500	62569	60855	-3	3.70	2697	6.54

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19372	3.04	613	-1	N/A	N/A	Pass
Blue	F	SSC	61251	1.86	549	3	N/A	N/A	Pass
Blue	E	FITC	114	39.65	550	0	0.0182	97	Pass
Blue	D	PE	229	31.03	548	2	0.1593	308	Pass
Blue	B	PerCP-Cy5-5	215	48.35	639	0	0.0089	108	Pass
Blue	A	PE-Cy7	73	126.69	697	-2	0.0107	14	Pass
Red	C	APC	363	28.40	601	1	0.0202	115	Pass
Red	A	APC-Cy7	123	42.36	579	-5	0.0051	1611	Pass
Violet	B	V450	88	42.77	475	3	0.0452	1969	Pass
Violet	A	V500	196	23.11	503	4	0.0133	314	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.27	-30.85	0.85
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.34
Red	16.75	13.27 - 19.91	N/A	N/A	30.71	31.34	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9543

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments